

## RECEPTOR KINASE, BIN1

### Abstract of the Disclosure

A novel plant steroid receptor, BIN1, is provided, as well as polynucleotides encoding BIN1. The function of BIN1, an extracellular steroid-binding receptor, is  
5 provided as well as its primary binding affinity with brassinolide. BIN1 polypeptide is useful in promoting increased plant yield and/or increased plant biomass.

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